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PTO/SB/21 (02-04)
Approved for use through 07/31/2006. OMB 0651-0031
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/723,809
Filing Date	11/26/2003
First Named Inventor	WEISSBACH
Art Unit	1632
Examiner Name	
Attorney Docket Number	6818-66

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

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Remarks

No fees are believed due; however, please charge any deficiencies to Deposit Acct No. 50-0951.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Gregory A. Nelson Akerman Senterfitt
Signature	
Date	8-10-04

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of WEISSBACH et al.

Application No.: 10/723,809

Examiner:

Date Filed: November 26, 2003

Group: 1632

For: CATALYTIC ANTIOXIDANTS AND METHODS OF USE

CERTIFICATE UNDER 37 CFR 1.8(a)
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Gregory A. Nelson, Esq. Reg. No. 30,577

Commissioner for Patents
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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to the Duty to Disclose under 37 C.F.R. §1.56, the references cited on the accompanying forms PTO/SB/08A and PTO/SB/08B are hereby brought to the attention of the Examiner for independent evaluation.

The submission of the listed documents is not intended as an admission that any such documents constitute prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

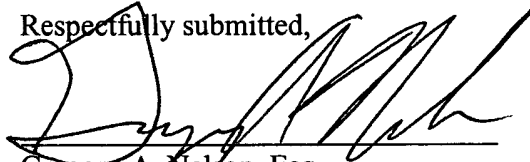
Applicants respectfully request that the listed documents be considered by the Examiner and made of record in the present application and that initialed copies of forms PTO/SB/08A and PTO/SB/08B be returned in accordance with MPEP §609.

Certification

This Statement is being filed within three months of the filing of this application and/or prior to the issuance of the first Office Action for the present application, and this paper is thus submitted in accordance with 37 CFR §1.97(b). In view of this certification, a fee is not required for consideration of these documents. Nevertheless, should a fee be deemed to be due by the Commissioner, such fee should be charged to Deposit Account No. 50-0951.

Date: 8-10-04

Respectfully submitted,



Gregory A. Nelson, Esq.

Reg. No. 30,577

Akerman Senterfitt

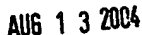
222 Lakeview Avenue, Suite 400

West Palm Beach, FL 33401

Tel: 561-653-5000

Fax: 561-653-5333

Docket No. 6818-66



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Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	10/723,809
Filing Date	11/26/2003
First Named Inventor	Weissbach
Art Unit	1632
Examiner Name	
Attorney Docket Number	6818-66

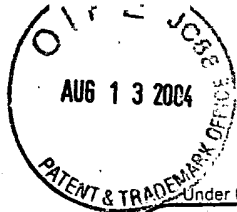
U. S. PATENT DOCUMENTS

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PTO/SB/08B (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/723,809
		Filing Date	11/26/2003
		First Named Inventor	Weissbach
		Art Unit	1632
		Examiner Name	
Sheet 2	of 3	Attorney Docket Number	6818-66

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Minetti, G., et al., "Reduction of Dabs-L-Methionine-dl Sulfoxide by Protein Methionine Sulfoxide Reductase from Polymorphonuclear Leukocytes: Stereospecificity towards the l-Sulfoxide," Ital. J. Biochem 43, 273-283 (1994)	
		Grimaud, R., et al., "Repair of Oxidized Proteins," J. Biol. Chem. 276, 48915-48920 (2001)	
		Rahman, M., et al., "High Level Expression and Purification of Peptide Methionine Sulfoxide Reductase in <i>Escherichia Coli</i> ," Cellular & Molecular Biol. 38, 529-542 (1992)	
		Etienne, F., et al., "A Methionine Sulfoxide Reductase in <i>Escherichia coli</i> that Reduces the R Enantiomer of Methionine Sulfoxide," Biochem. & Biophys. Res. Comm. 300, 378-382 (2003)	
		Spector, D., et al., "New Membrane-associated and Soluble Peptide Methionine Sulfoxide Reductases in <i>Escherichia coli</i> ," Biochem. & Biophys. Res. Comm. 302, 284-289 (2003)	
		Kita, Y., et al., "Enantioselective Total Synthesis of a Potent Antitumor Antibiotic, Fredericamycin A," J. Am. Chem. Soc. 123, 3214-3222 (2001)	
		Fukuyama, T., et al., "Stereocontrolled Synthesis of (-)-Hapalindole G," J. Am. Soc. 116, 3125-3126 (1994)	
		Conte, V., et al., "Asymmetric Oxidation of Thioethers. Enantioselective Synthesis of β -Hydroxysulfoxides by Direct Oxidation," Tetrahedron Lett. 30, 4859-4862 (1989)	
		O'Donnell, M., et al., "The Stereoselective Synthesis of α -Amino Acids by Phase-Transfer Catalysis," J. Am. Chem. Soc. 111, 2353-2355 (1989)	
		Hartley, A., et al., "Complex I Inhibitors Induce Dose-Dependent Apoptosis in PC12 Cells: Relevance	

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		Application Number	10/723,809
		Filing Date	11/26/2003
		First Named Inventor	Weissbach
		Art Unit	1632
		Examiner Name	
Sheet 3 of 3	Attorney Docket Number	6818-66	

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Rosen, D., et al., "Mutations in Cu/Zn Superoxide Dismutase Gene are Associated with Familial Amyotrophic Lateral Sclerosis," <i>Nature</i> 362, 59-62 (1993)	
		Weissbach, H., et al., "Peptide Methionine Sulfoxide Reductase: Structure, Mechanism of Action, and Biological Function," <i>Archives of Biochem. & Biophys.</i> vol. 397, no. 2, 172-178 (2002)	
		Moskovitz, J., et al., "Methionine Sulfoxide Reductase (MsrA) is a Regulator of Antioxidant Defense and Lifespan in Mammals," <i>PNAS</i> , vol. 98, no. 23, 12920-12925 (2001)	
		Ruan, H., et al., "High-quality Life Extension by the Enzyme Peptide Methionine Sulfoxide Reductase," <i>PNAS</i> , vol. 99, no. 5, 2748-2753 (2002)	
		Ejiri, S., et al., "The Purification of Methionine Sulfoxide Reductase from <i>Escherichia coli</i> ," <i>Anal. Biochem.</i> 102, 393-398 (1980)	
		Brot, N., et al., "Reduction of <i>N</i> -Acetyl Methionine Sulfoxide: A Simple Assay for Peptide Methionine Sulfoxide Reductase," <i>Anal. Biochem.</i> , 122, 291-294 (1982)	
		Moskovitz, J., et al., "Cloning and Expression of a Mammalian Gene Involved in the Reduction of Methionine Sulfoxide Residues in Proteins," <i>Proc. Natl. Acad. Sci.</i> , 93, 2095-2099 (1996)	

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